

## **Abstract of the Disclosure**

Apparatus and methods are disclosed for passive stabilization of a wheeled object by employing secondary wheels rotating about secondary axes offset from a common axis of a primary set of wheels, where the secondary wheels are positioned such that tilting of the object during rolling causes one of the secondary wheels to contact the surface and counteract tilting tendencies. The offset of the secondary axes can include angular, vertical, and/or horizontal components.

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